Amendment dated May 13, 2009

Reply to Office Action of February 18, 2009

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended): A method for measuring quality of service at an application level in a

telecommunication network, the method comprising:

monitoring operation of an application by a monitoring apparatus through a network

interface;

storing network data received through the network interface in a buffer of the monitoring

apparatus, the network data indicative of a behavior of the network;

receiving a trigger signal at the monitoring apparatus from a remote network entity upon

in response to a critical situation corresponding to the quality of service of the application; and

in response to receiving the trigger signal, transmitting, from the monitoring apparatus,

the stored network data to a remote network archive.

2 (previously presented): The method of claim 1, wherein the critical situation is detected based

on data from a plurality of monitoring apparatuses.

3 (previously presented): The method of claim 1, further comprising measuring the data

indicative of the behavior of said network in synchronized fashion with at least one other

monitoring apparatus.

4 (previously presented): The method of claim 1, wherein the archive is configured to store data

from a plurality of monitoring apparatuses.

5 (previously presented): The method of claim 1, wherein the network entity from which the

trigger signal is received includes a centralized coordination apparatus configured to transmit

trigger signals to a plurality of monitoring apparatuses.

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6 (currently amended): The method of claim 1, further comprising:

associating an activation function configured to test the operation of the application to a

control function configured to detect the critical situation relating to the quality of service.

7 (previously presented): The method of claim 6, wherein the activation function and said

control function co-operate with each other according to an agent/server configuration, in which

said activation function acts as an agent and said control function acts as a server.

8 (cancelled).

9 (previously presented): The method of claim 1, wherein storing data indicative of the behavior

of said network includes storing data relating to a given time window.

10 (previously presented): The method of claim 1, wherein at least one of the trigger

signal and the data indicative of the behavior of the network is transmitted through a direct

transmission channel.

11 (cancelled).

12 (previously presented): The method of claim 1, wherein the monitoring apparatus includes a

filtering function configured to intercept said trigger signal transmitted on said network.

13 (previously presented): A system for measuring the quality of service at an application level

in a telecommunication network, the system comprising:

at least one activating apparatus configured to carry out sessions at the application level

on said network (N),

at least one monitoring apparatus configured to measure and store data indicative of the

behavior of said network,

at least one testing apparatus, separate from the at least one monitoring apparatus,

configured to detect a critical situation related to said quality of service and to generate, in

response to said critical situation, a trigger signal, and

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a collecting apparatus configured to collect, in response to the generation of said trigger

signal, said data indicative of the behavior of the network measured and stored in said at least

one monitoring apparatus.

14 (previously presented): The system of claim 13, further comprising a plurality of monitoring

apparatuses configured to measure and store said data indicative of the behavior of the network.

15 (previously presented): The system of claim 14, further comprising a plurality of

synchronization modules associated with said plurality of monitoring apparatuses to measure

said data indicative of the behavior of said network (N) in synchronized fashion.

16 (previously presented): The system of claim 13, wherein the at least one monitoring

apparatus further comprises:

a memory configured to store said data indicative of the behavior of said network, and

a transmission module configured to transmit said data indicative of the behavior of said

network to said collecting apparatus in response to said trigger signal.

17 (previously presented): The system of claim 13, further comprising a central management

apparatus separate from the at least one monitoring apparatus, wherein the central management

apparatus is configured to receive said trigger signal from said at least one testing apparatus and

to broadcast said trigger signal to said at least one monitoring apparatus.

18 (previously presented): The system of claim 13, wherein the at least one activating apparatus

and said at least one testing apparatus mutually co-operate according to a general agent/server configuration, in which said activating apparatus acts as agent and said verification apparatus

acts as server.

19 (currently amended): The system of claim 13, wherein the at least one monitoring apparatus

is configured to monitor for the data through at least one interface used by an application in the

network.

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20 (previously presented): The system of claim 13, wherein the at least one monitoring apparatus comprises a memory dimensioned to store at least a portion of the data indicative of

the behavior of said network relating to a given time window.

21 (previously presented): The system of claim 13, further comprising at least one transmission

channel to forward:

said trigger signal to said at least one monitoring apparatus, and

said data indicative of the behavior of the network from said at least one monitoring apparatus.

22 (cancelled).

23 (previously presented): The system of claim 13, wherein the at least one monitoring apparatus comprises a filtering module configured to intercept said trigger signal transmitted.

24-31 (cancelled).

32 (previously presented): One or more computer readable media storing computer readable instructions that, when executed, cause an apparatus to:

monitor operation of an application through a network interface;

store network data received through the network interface in a buffer of the apparatus, the network data indicative of a behavior of the network:

receive a trigger signal from a remote network entity in response to a critical situation corresponding to quality of service of the application; and

in response to receiving the trigger signal, transmit the stored network data to a remote network archive.

33 (previously presented): The one or more computer readable media of claim 32, wherein the apparatus is a monitoring apparatus and wherein the critical situation is detected based on data from a plurality of monitoring apparatuses.

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apparatus in the network.

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34 (previously presented): The one or more computer readable media of claim 32, wherein the

computer readable instructions, when executed, further cause the apparatus to measure the data

indicative of the behavior of said network in synchronized fashion with at least one other

35 (previously presented): The one or more computer readable media of claim 32, wherein the archive is a centralized archive storing data from a plurality of network apparatuses.

36 (previously presented): The one or more computer readable media of claim 32, wherein the

network entity from which the trigger signal is received includes a centralized coordination

apparatus configured to transmit trigger signals to a plurality of network apparatuses.

37 (previously presented): An apparatus comprising:

a processor;

a buffer: and

memory storing computer readable instructions that, when executed, cause the apparatus

to:

monitor operation of an application through a network interface;

store network data received through the network interface in the buffer, the

network data indicative of a behavior of the network;

receive a trigger signal from a remote network entity in response to a critical

situation corresponding to the quality of service of the application; and

in response to receiving the trigger signal, transmit the stored network data to a

remote network archive.

38 (previously presented): The apparatus of claim 37, wherein the computer readable

instructions, when executed, further cause the apparatus to measure the data indicative of the

behavior of said network in synchronized fashion with at least one other network apparatus.

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39 (previously presented): The apparatus of claim 37, wherein the remote network archive is configured to receive data from a plurality of network apparatuses.